

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/000742

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K9/19 A61K47/00 A61K47/26 A61K47/10 A61K47/36
A61K47/42 A61K39/00 A61K38/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CONSTANTINO H R ET AL: "EFFECT OF EXCIPIENTS ON THE STABILITY AND STRUCTURE OF LYOPHILIZED RECOMBINANT HUMAN GROWTH HORMONE" JOURNAL OF PHARMACEUTICAL SCIENCES, AMERICAN PHARMACEUTICAL ASSOCIATION. WASHINGTON, US, vol. 87, no. 11, November 1998 (1998-11), pages 1412-1420, XP000783391 ISSN: 0022-3549 the whole document	1-25
X	WO 02/101412 A (POWDERJECT VACCINES, INC; POWDERJECT RESEARCH LIMITED) 19 December 2002 (2002-12-19) abstract page 27, line 1 - page 28, line 24 examples	1-25
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

20 May 2005

Date of mailing of the international search report

31/05/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/030866 A (VISCUM AG; GLOGER, OLIVIER; MUELLER, BERND, W; WITTHOHN, KLAUS) 17 April 2003 (2003-04-17) page 4, lines 17-25 page 13, line 8 - page 14, line 26 page 16, lines 8,9 examples 16-18,21 -----	1-25
X	US 5 763 409 A (BAYOL ET AL) 9 June 1998 (1998-06-09) column 2, lines 1-63 column 3, lines 7-25 column 3, lines 60-67 claims -----	1-25
X	WO 01/41800 A (CHIRON CORPORATION; ESIKOVA, IRINA; WOLFE, SIDNEY; THOMSON, JAMES; MAN) 14 June 2001 (2001-06-14) page 4, lines 8-18 page 6, lines 9-13 page 7, line 8 - page 8, line 6; examples 1,3; tables 2,3 -----	1-25
X	US 6 251 599 B1 (CHEN XIAN ET AL) 26 June 2001 (2001-06-26) column 2, lines 18-34 column 17, line 8 - column 18, line 7 claims; figure 7a; example 3 -----	1-25
Y	US 6 586 573 B1 (BESMAN MARC ET AL) 1 July 2003 (2003-07-01) abstract column 5, lines 16-40 column 6, lines 39-66 column 7, line 66 - column 8, line 16 examples 3-5 -----	1-25
Y	US 5 874 408 A (NAYAR ET AL) 23 February 1999 (1999-02-23) figure 2 column 3, lines 12-37 column 3, line 66 - column 4, line 23 claims -----	1-25
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>IZUTSU K-I ET AL: "EFFECT OF MANNITOL CRYSTALLINITY ON THE STABILIZATION OF ENZYMES DURING FREEZE-DRYING"</p> <p>CHEMICAL AND PHARMACEUTICAL BULLETIN, PHARMACEUTICAL SOCIETY OF JAPAN, TOKYO, JP,</p> <p>vol. 42, no. 1, January 1994 (1994-01), pages 5-8, XP000425037</p> <p>ISSN: 0009-2363</p> <p>abstract</p> <p>page 5, left-hand column, lines 1-39</p> <p>page 6, left-hand column, lines 7-35</p> <p>page 8, left-hand column, line 1 - right-hand column, line 14</p> <p>-----</p>	1-25

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 25 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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